## EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--------------|-----|------------------|---------|------------|
| S1 | 6 | (("5902663") or ("6503595") or ("6051300") or ("4888228") or ("4576840") or ("20020028624")).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/14 10:56 |
| S2 | 26 | ("4018957" \| "4035215" \| "4098629" \| "4183521" \| "4159603" \| "4172170" \| "4197343" \| "4278482" \| "4324824" \| "4371576" \| "4389442" \| "4389443" \| "4390582" \| "4426415" \| "4495133" \| "4582554" \| "4588629" \| "4643930" \| "4871603" \| "4892777" \| "4919743" \| "4942074" \| "4988551" \| "5198277" \| "5370757" \| "2317595").PN. | USPAT | OR | OFF | 2005/03/10 11:22 |
| S3 | 1026 | (spunlac$4 spun adj lac $4) and (carpet fabric) | USPAT | OR | OFF | 2005/03/10 11:24 |
| S4 | 681 | S3 and adhesive | USPAT | OR | OFF | 2005/03/10 11:24 |
| S5 | 153 | (spunlac$4 spun adj lac $4) adj (fac$4 fabric carpet) | USPAT | OR | OFF | 2005/03/10 11:24 |
| S6 | 73 | S5 and adhesive | USPAT | OR | OFF | 2005/03/10 11:25 |
| S7 | 71 | zafiroglu.in. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/09/14 11:50 |
| S8 | 21 | zafiroglu.in. | US-PGPUB | OR | OFF | 2005/09/14 11:50 |
| S9 | 0 | ("20030232171").PN. | USPAT; USOCR | OR | OFF | 2006/01/17 11:13 |
| S10 | 1 | ("20030232171").PN. | US-PGPUB | OR | OFF | 2006/01/17 11:15 |
| S11 | 1515 | 28/107.ccls. 156/148.ccls. 442/388.ccls. | US-PGPUB; USPAT | OR | OFF | 2006/01/17 11:22 |
| S12 | 733 | S11 and (adhesive polymer resin binder) | US-PGPUB; USPAT | OR | OFF | 2006/01/17 11:22 |
| S13 | 17 | ("4645699").URPN. | USPAT | OR | OFF | 2006/01/17 13:41 |

| S14 | 1 | ("4355067").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/01/17 13:45 |
| S15 | 1 | ("5075142").PN. | USPAT; USOCR | OR | OFF | 2006/01/17 16:55 |
| S16 | 1 | "547533" | EPO | OR | OFF | 2006/01/17 16:55 |
| S17 | 9 | "4588629" | USPAT | OR | OFF | 2006/09/14 11:46 |
| S18 | 10 | "4588629" "20030232170" | US-PGPUB; USPAT | OR | OFF | 2006/09/14 12:13 |
| S19 | 74 | (spun-laced spunlaced) with (needled needle-punch$3 needlepunch$3) | US-PGPUB; USPAT | OR | OFF | 2007/05/21 15:06 |
| S21 | 15 | "547533" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/14 12:48 |
| S22 | 136 | needling adj density | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/14 13:54 |
| S23 | 2 | S22 and reverse$ adj pile | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/14 13:54 |
| S24 | 1 | S22 and bulked adj fabric | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/14 13:54 |
| S25 | 113 | S22 and (woven knit) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/14 13:59 |
| S26 | 36 | S25 and loop | US-PGPUB; USPAT; USOCR | OR | ON | 2006/09/14 13:55 |
| S27 | 77 | S25 not S26 | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/14 14:03 |
| S28 | 8 | S27 and carpet | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/14 14:31 |
| S29 | 47 | reverse$ adj pile | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/14 14:46 |
| S30 | 549 | woven adj pile | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/14 14:46 |
| S31 | 59 | woven adj pile and (knit knitted adj pile) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/14 14:47 |
| S32 | 31 | woven adj pile and (knit knitted) adj pile | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/14 14:59 |
| S33 | 2160 | (stitch-bond$3 stitch adj bond$3 stitchbonded) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/14 15:00 |
| S34 | 117 | (stitch-bond$3 stitch adj bond$3 stitchbonded) and carpet | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/21 14:16 |

| S35 | 11 | S34 and bulked | US-PGPUB; USPAT; USOCR | OR | ON | 2006/09/14 15:00 |
|-----|-----|----------------|---------|-----|-----|------------|
| S36 | 2 | spunlace$ with carpet | USPAT | OR | OFF | 2006/09/14 16:47 |
| S37 | 168 | (spun-laced spunlaced spun adj laced) with (needled needle-punch$3 needlepunch$3 needle adj punch$3) | US-PGPUB; USPAT | OR | OFF | 2006/09/14 16:27 |
| S38 | 287 | gather$3 adj fabric | US-PGPUB; USPAT | OR | OFF | 2006/09/14 16:30 |
| S39 | 2 | S38 and carpet | US-PGPUB; USPAT | OR | OFF | 2006/09/14 16:28 |
| S40 | 26 | S38 and floor | US-PGPUB; USPAT | OR | OFF | 2006/09/14 16:28 |
| S41 | 121 | gathered adj fabric | US-PGPUB; USPAT | OR | OFF | 2006/09/14 16:30 |
| S42 | 8 | spunlace$ same carpet | USPAT | OR | OFF | 2006/09/14 16:49 |
| S43 | 11 | spunlace$ same carpet | US-PGPUB | OR | OFF | 2006/09/14 16:49 |
| S44 | 288 | 442/402.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/21 12:44 |
| S45 | 3133 | (stitch-bond$3 stitch adj bond$3 stitchbonded needled needlepunch$3) same (nonwoven non adj woven unwoven) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/21 15:07 |
| S46 | 10 | "3834978" | USPAT | OR | OFF | 2007/05/21 14:58 |
| S47 | 589 | carpet$3 with (needled needle-punch$3 needlepunch$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/21 15:06 |
| S48 | 381 | S47 and (glu$3 adhesive resin) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/21 15:42 |

| S49 | 255 | S48 and (nonwoven non adj woven unwoven) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/21 15:08 |
|-----|-----|------------------------------------------|-----------------------------------------------------------|-----|-----|-------------------|
| S50 | 28 | S47 and (glu$3 adhesive resin) with (infiltrate infiltration impregnate impregnation) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/21 15:57 |
| S51 | 50 | S47 and (glu$3 adhesive resin) with (infiltrate$ infiltration impregnate$ impregnation) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/21 15:58 |
| S52 | 22 | S51 not S50 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/22 13:49 |
| S53 | 7256 | carpet with (cut$3 sanded sheared brush$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/22 13:52 |
| S54 | 5 | S53 and 442/402.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/22 13:53 |
| S55 | 1360 | carpet same (fiber) with (cut$3 sanded sheared brush$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/22 13:53 |
| S56 | 2 | S55 and 442/402.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/22 13:53 |

| S57 | 561 | carpet same (fiber) with (sanded sheared brush$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/22 13:53 |
| S58 | 12 | S57 and "442"/$.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/22 13:58 |
| S59 | 1205 | wang with wang with zhang | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/22 13:59 |
| S60 | 2 | "20040137818".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/22 14:00 |
| S61 | 30 | shearing with tigering | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/22 14:00 |
| S62 | 400 | 442/383,388.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/12/03 12:26 |
| S63 | 2 | ("4851281" \| "5372876"). PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/12/03 13:49 |
| S64 | 4 | ("5945358").URPN. | USPAT | OR | OFF | 2007/12/03 13:49 |
| S65 | 3 | ("5945358").URPN. and (woven) | USPAT | OR | OFF | 2007/12/03 13:50 |
| S66 | 41 | "442"/$.ccls. and gather $3 adj (fiber fabric) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/12/03 18:03 |
| S67 | 5 | (("3186886") or ("3245854") or ("3819465")).PN. | USPAT; USOCR | OR | OFF | 2008/05/23 13:37 |

| S68 | 75 | ("2317595" \| "2550686" \| "2688578" \| "2787571" \| "2917421" \| "20020028624" \| "20020119281" \| "20020132085" \| "20030152743" \| "20030232171" \| "0281950" \| "3015149" \| "3166465" \| "3476636" \| "3506530" \| "3620890" \| "3687796" \| "3695987" \| "3708384" \| "3844978" \| "3856598" \| "3860469" \| "3867243" \| "3922454" \| "3943018" \| "3947306" \| "3950582" \| "0366818" \| "4013407" \| "4018957" \| "4035215" \| "4098629" \| "4138521" \| "4159360" \| "4172170" \| "4197343" \| "4217383" \| "4278482" \| "4324824" \| "4371576" \| "4389442" \| "4389443" \| "4390582" \| "4426415" \| "4576840" \| "4582554" \| "4588629" \| "4643930" \| "4645699" \| "4871603" \| "4888228" \| "4892777" \| "4919743" \| "4942074" \| "4988551" \| "0449133" \| "5198277" \| "5370757" \| "5399409" \| "5415925" \| "5436064" \| "5443881" \| "5464677" \| "5560972" \| "5578357" \| "5728444" \| "5747133" \| "5902663" \| "5939166" \| "5962101" \| "5965232" \| "6051300" \| "6063473" \| "6162748" \| "6503595").PN. | US-PGPUB; USPAT | OR | OFF | 2008/08/01 16:45 |
|-----|-----|-----|-----|-----|-----|-----|
| S69 | 209 | zafiroglu.in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/08/01 16:50 |
| S70 | 93 | S69 and (needle needle adj punch$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/08/01 16:51 |

| S71 | 17 | S69 and (needle needle adj punch$4) same adhesive | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/08/01 16:51 |
|-----|-----|-----|-----|-----|-----|-----|
| S72 | 773 | 442/402.ccls. 28/107.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/08/01 18:17 |
| S73 | 309 | S72 and (binder adhesive) | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/08/01 18:18 |
| S74 | 5 | (("2748446") or ("1798277") or ("4576840")).PN. | USPAT; USOCR | OR | OFF | 2008/12/19 15:50 |
| S75 | 71 | (shrink$4 shrunk$4) near3 (bind$4 adhesive$) same (rug mat matting flooring carpet) | US-PGPUB; USPAT; USOCR | OR | ON | 2008/12/19 16:48 |
| S76 | 117 | zafiroglu.in. | FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/19 17:00 |
| S77 | 5 | reverse adj pile | USPAT | OR | OFF | 2008/12/19 18:45 |
| S78 | 9 | ("4888228").URPN. | USPAT | OR | OFF | 2008/12/19 18:47 |
| S79 | 128 | emboss$4 with (rug carpet carpeting) | USPAT | OR | ON | 2008/12/19 18:55 |
| S80 | 60 | emboss$4 near3 (rug carpet carpeting) | USPAT | OR | ON | 2008/12/19 18:55 |
| S81 | 318 | 442/402.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/06/15 17:19 |
| S82 | 30 | ("20010021616" | "20020019183" | "20030008585" | "20030181113" | "20040058603" | "20040102113" | "2786790" | "3496054" | "5216790" | "5662978" | "5672222" | "5747392" | "5874148" | "5879614" | "5899783" | "5902753" | "6024823" | "6100208" | "6136730" | "6139675" | "6191057" | "6492001" | "6514889" | "6541402" | "6677258" | "6769146" | | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/06/15 17:44 |

| | | | | | | |
|------|------|----------------------------------|--------------------------|------|------|----------------------|
| | | "6818253" \| "6833335").<br>PN. | | | | |
| S83 | 229 | 28/107.ccls. and (adhesive<br>$4 bond$4) | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2009/06/15<br>18:08 |
| S84 | 18 | ("2543101" \| "3635653" \|<br>"3639195" \| "3889028" \|<br>"3977055" \| "4008024" \|<br>"4258093" \| "4258094" \|<br>"4320167" \| "4391866" \|<br>"4412877" \| "4542060" \|<br>"4568581" \| "4582750" \|<br>"4740409" \| "4874660" \|<br>"5194106").PN. | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2009/06/16<br>12:53 |
| S85 | 99 | zafiroglu.in. | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2009/06/16<br>14:47 |
| S86 | 7 | dzs.as. | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2009/06/16<br>15:36 |

**6/22/2009 12:07:47 PM**
**C:\ Documents and Settings\ mmatzek\ My Documents\ EAST\ Workspaces\ 10562600.wsp**